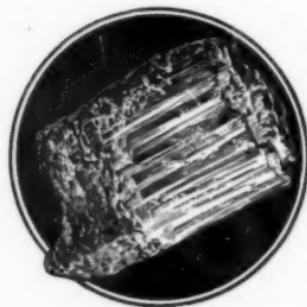


ASBESTOS

Vol. 3

OCTOBER, 1921

No. 4



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Volume III

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Number 4

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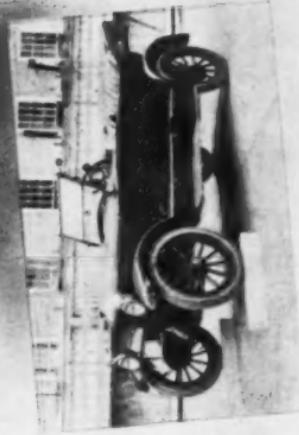
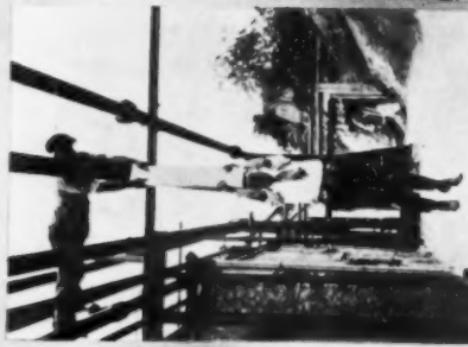
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"Three striking illustrations of the strength of 85 per cent Magnesia Pipe and Boiler Covering.



Asbestos in Filing Cabinets Gives Definite Fire Protection

By W. C. FREEMAN

Of The Yawman & Erbe Mfg. Company.

For many years the business interests of our country have been buying filing cabinets made of steel because of their durability, economy of space and ability to protect papers in case of fire.

Steel filing cabinets possess a certain degree of resistance to fire, but, as everyone knows, steel conducts heat, and it doesn't take many minutes of exposure to a fire to transmit the heat thru the single steel walls of an ordinary steel filing cabinet and raise the interior temperature of the file drawers to the ignition point of paper, which is between 460 and 500 degrees Fahrenheit. As far as fire protection is concerned, the common form of steel filing cabinet is only superior to a wood filing cabinet in that it is not combustible and does not add fuel to the flames.

Appreciating this condition, the company with which I have the privilege to be associated, designed and now manufacture a type of filing cabinet which is built with two steel walls, between which are placed two layers of sheet asbestos, one flat and one corrugated, the two layers being cemented together in much the same way as the corrugated board used in making cardboard packing cases. This protection surrounds the cabinet on all four sides, as well as top and bottom. Fig. 1 gives a cross-section view of a typical wall of one of these cabinets, which the manufacturer designates as the Fire-Wall Filing Cabinet.

It is perfectly obvious to any thinking person that if a wall of sheet steel gives any degree of fire protection, two steel walls, plus two layers of asbestos, are infinitely better—and for filing cabinets they are.

A great many tests have been made by the manufacturer to support this argument, and there are a number of records of actual fires wherein Fire-Wall cabinets have carried their contents unharmed thru severe office fires. The manufacturer, however, because of the lack of proper testing equipment, felt that his tests were not as precise as they should be, and furthermore, to be convincing such tests

— A S B E S T O S —

Fig. I. Cross-section of the Wall of a Fire-wall Filing Cabinet

should be made by a disinterested observer, whose authority on the subject of fire protection was above question.

For those reasons on January 11, 1921, a nationally known testing laboratory was engaged to make a scientific comparative test of the relative degrees of resistance to heat afforded by the Fire-Wall Filing Cabinets and Single Wall Filing Cabinets. The tests were designed to bring out the heat insulating value of the filing cases with reference to their ability to preserve their contents when subjected to fires of short duration, and of a volume and intensity comparable to that result from an ordinary office fire.

The tests were made in the same furnaces and with the same testing apparatus that the laboratory uses in testing and rating the models of safes submitted for their examination. The furnace is built of fire brick so as to make a testing chamber 4 feet deep, 6 feet wide and 8 feet high, closed at the front by a movable wall carried on a steel frame. The furnace is heated by means of 32 blast gas burners which are arranged on all four sides of the furnace. These burners are adjusted by exterior valves so that the temperature

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IMPORT

EXPORT

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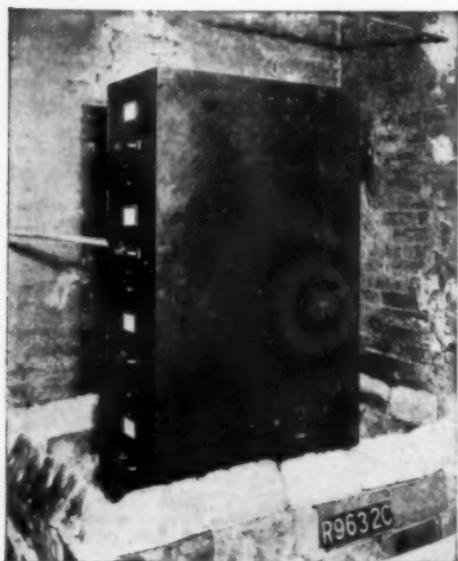
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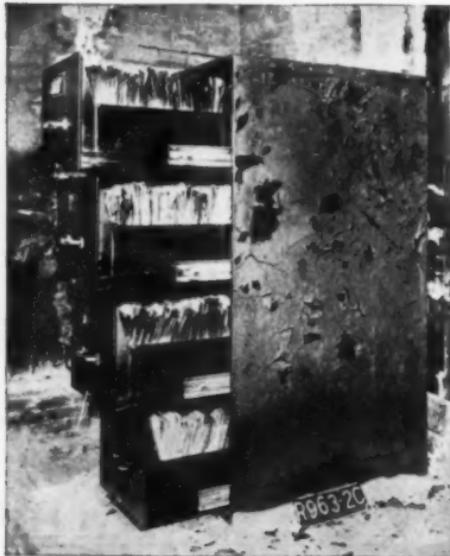
IMPORT

EXPORT

— A S B E S T O S —



*Single-Wall Steel
Filing Cabinet in
Testing Furnace Be-
fore Test. All Draw-
ers Filled to Capacity
With Filed Corre-
spondence.*



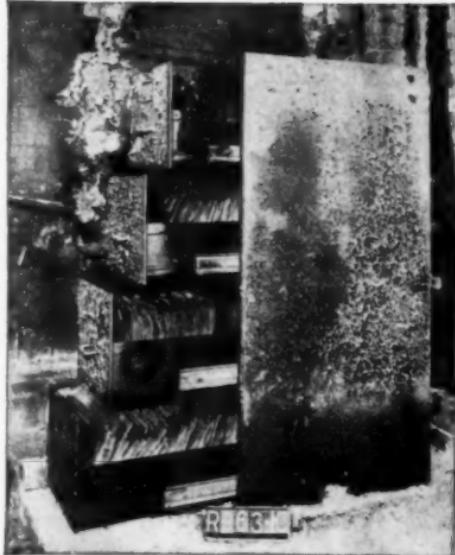
*Single-Wall Steel
Filing Cabinet After
Only 15 Minutes' Ex-
posure to Tempera-
tures up to 630 deg.
F. It Was Necessary
to Shut Off the Fur-
nace to Save Con-
tents From Destru-
ction.*

— A S B E S T O S —

Fire-Wall Filing Cabinet in Testing Furnace Before Test. All Drawers Fully Loaded With Filed Correspondence.



Condition of Contents of Fire-Wall Filing Cabinet After a Half Hour Exposure to Temperatures As High As 1000 deg. F. All Papers Except Contents of First Five Folders in Top Drawer Perfectly Legible.



— A S B E S T O S —

can be controlled within close limits and any range of heat values within the operating limits of the furnace provided for test purposes.

The temperatures of the furnace and of the interiors of the sample cabinets tested are measured by thermocouples in connection with electrical measuring instruments. In making the tests on filing cabinets, the temperatures inside of the cabinets were measured by thermocouples placed in all drawers half way back and about one inch above the tops of the folders. The drawers of the cabinets were, in all tests, filled with correspondence as in actual filing service.

How the Tests Were Conducted

In these tests a special range of temperature values were used. Beginning at room temperature the burners in the furnace were lighted and the outside temperature steadily increased so as to reach 1000 degrees at the end of thirty minutes. However, at any time during the test an interior temperature of 500 degrees inside any file drawer was to be the signal for turning off the heat and ending the test. The reason for this is found in the fact that paper has an ignition or burning point at about 460 degrees, and the test if carried further would simply destroy the contents of the file without adding to the information to be obtained from the test.

Test of Single Wall Steel Cabinet

In testing the single wall cabinet, the following differences between the furnace temperatures and interior cabinet temperatures were observed:

Time	Difference between furnace temperature and interior cabinet temperature
5 minutes	90 degrees
10 minutes	140 degrees
15 minutes	120 degrees

Owing to the fact that the limiting interior temperature was reached at the end of 15 minutes, it became immediately necessary to turn off the fire to save the contents of the file from destruction by interior fire.

In this test it was noted that fluctuation in the furnace temperature was immediately registered by the interior

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A S B E S T O S

heat measuring instruments, which proved that the heat travel to the interior was not retarded by the single steel wall, as in the case of the steel-plus-asbestos walls of the Fire-Wall Cabinet, test on which is described in the following.

Test of Fire-Wall Steel Cabinet

In this test the same standard furnace temperature increase was provided as for the test on the Single Wall Steel Cabinet, and the following differences between furnace temperatures and interior cabinet temperatures were observed:

Time	Difference between furnace temperature and interior cabinet temperature
5 minutes	255 degrees
10 minutes	300 degrees
15 minutes	335 degrees
20 minutes	515 degrees
25 minutes	430 degrees
30 minutes	472 degrees

When the Fire-Wall cabinet was opened, all of the papers filed within were in good legible condition, with the exception of the contents of the first five folders in the front of the top drawer which were charred by the heat. It is interesting to note also that even after the test all of the drawers operated freely and easily.

Another striking factor of this test was the time lag in the heat travel which showed that from five to ten minutes elapsed between large fluctuations of the furnace temperatures and the observance of resulting changes in the interior temperatures.

These things simply reinforce the argument that the asbestos lined Fire-Wall Cabinet is far superior to single wall steel cabinets.



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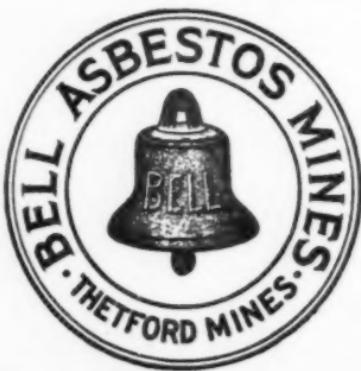
— A S B E S T O S —

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MINES OFFICE at
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and
SALES OFFICE at
Ambler, Penna., U. S. A.

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Asbestos
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U. S. A.

— A S B E S T O S —

Report of the Bureau of Mines Quebec, for 1920

As Commented on by the Canadian Mining Journal

The Annual Report of the Superintendent of Mines of Quebec for 1920 puts the value of asbestos and asbestite at about 53 percent of the total value of the mineral production of the province in both 1919 and 1920.

The relation of the value of asbestos production to the total mineral value of Quebec for the past ten years is shown by the following table.

Year	Value of Asbestos	Percent of Total Mineral Production		Average Value of Fibre per ton
		\$	%	
1911	3,026,306		35	29.60
1912	3,059,084		26	27.52
1913	3,830,504		29	28.04
1914	2,895,935		25	26.96
1915	3,544,362		31	31.33
1916	5,182,905		39	38.87
1917	7,198,558		44	52.45
1918	9,019,899		48	63.35
1919	10,932,289		53	80.47
1920	14,749,048		52	81.89

The average annual production over ten years has been roughly 130,000 tons of fibre, so that the production of 179,891 tons of fibre in 1920 is 38 per cent above the ten-year average. The annual figures are shown below.

Year	Fibre Shipped	Asb. Content		
		Tons	Average Value per Ton	Rock Mined Tons
1911	102,224	\$29.60	1,583,076	107.8
1912	111,175	27.52	1,870,608	108.6
1913	136,609	28.04	2,527,410	105.4
1914	107,401	26.96	2,127,395	111.4
1915	113,115	31.33	2,134,073	96.9
1916	133,339	38.87	2,291,087	102.6
1917	137,242	52.45	2,634,410	108.7
1918	142,375	63.35	2,445,745	117.3
1919	135,862	80.47	3,061,690	100.8
1920	179,891	81.89	3,123,370	109.1

— A S B E S T O S —

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IN
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Mines-Griqualand, South Africa
Associated with Cape Asbestos Co. Ltd.
London, England

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Inspection of the foregoing figures will disclose that asbestos production in Quebec has borne a very exact relation to the price of fibre, and 1920 was a year of high prices and heavy demand. The Superintendent of Mines states that up to September the supply could hardly keep up with the demand, and that the mine sheds were bare of stocks. Towards the end of the year the market reflected the decrease in business in the United States, and during the first months of 1921 curtailment of production became general.

Exports of crude and mill stock during 1920 showed the following distribution:

	Tons	Value
United Kingdom	11,881.....\$	1,270,172
United States	115,283.....	7,955,772
Australia	483.....	49,895
Belgium	8,251.....	698,615
France	2,011.....	216,867
Germany	3,265.....	396,933
Italy	2,390.....	290,609
Japan	4,863.....	293,344
Netherlands	1,695.....	152,783
Spain	440.....	32,650
Switzerland	5.....	390
Other countries	2,173.....	163,506
Total.....	152,740	\$11,521,536

Virtually all the asbestos sand and waste, to the extent of 36,218 tons out of 36,303 tons, was exported to the United States.

Modernization of the Asbestos Mines

A significant feature of the Superintendent of Mines Report is the progression of asbestos extraction from open-pit mining to regular underground workings, and the general modernization of the mining equipment. Derrick-hoisting is being superseded by inclined tramways and shafts. An interesting example is the mine of the Canadian Johns-Manville Company at Asbestos. Here the quarry is laid out in wide benches, the rock being loaded into cars of standard gauge by steam-shovels and hauled in trains to the mill by steam locomotives on a maximum grade of three percent. The layout is similar to the approved method of mining

A S B E S T O S

iron-ore in the Lake Superior ranges, although of course the material is a different one, and the magnitude of operations not so impressive.

Another mine, the British-Canadian mine at Black Lake is in a transition stage between the quarry and the mine, the Report stating that the previous method of hoisting by cable-derrick will soon be entirely superseded by the glory-hole and underground haulage.

In this mine as also in the other mines of the Asbestos Corporation of Canada at Thetford, there has been a further utilization of electric power, all the steam locomotives at the King Mine having been superseded by electric locomotives, which, apart from the considerations of uncertainty of coal supply that have led to this change, is in line with approved mining practice. At the British-Canadian mine it is proposed to use electric-trolley locomotives for underground haulage through the tunnels. At the Consolidated Asbestos Limited mine at Thetford (formerly the Jacob's Mine) underground haulage is done by storage-battery locomotives, with charging installation underground.

At the Pennington Asbestos Company's mine, Robertson, an electric hoist and an inclined tramway is replacing the steam locomotives formerly used for haulage.

There seems no reason why the completest electrification of the asbestos mines should not be generally adopted; and a good many reasons why it should.

The use of modern drilling tools is also noted. The Canadian Johns-Manville Co. are using turbo-rotator drills, made by the Denver Rock-Drill Mfg. Co., drilling 2 inch holes up to 40 ft. in depth and the Quebec Asbestos Corporation at East Broughton is using a Sullivan submarine drill that can drill a 3-inch hole to a depth of 75 feet.

The report does not mention the quantity of explosives used in blasting, but as these deep holes are heavily charged, the total quantity must be quite large.

While the war stimulated the demand for asbestos to a noteworthy extent, the experience of 1920 indicates that the uses of asbestos are now so various and established that there is no likelihood of any serious decline in the demand for Canadian asbestos. Indeed the uses of asbestos are growing, and the quantity so far ascertained to exist in



MIKESELL BROTHERS COMPANY

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Plant and Works at Wabash, Indiana

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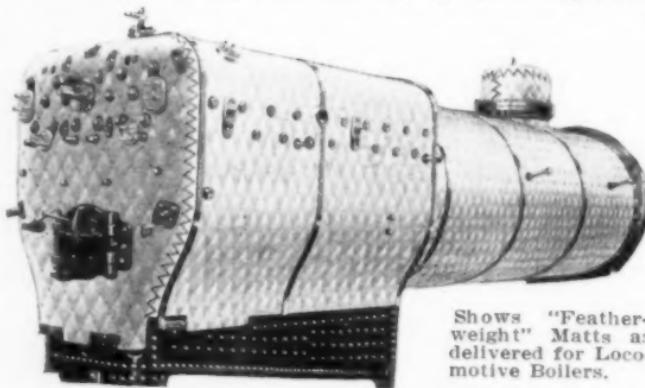
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Spinners and Weavers of
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Specialty: "Featherweight"

BLUE or WHITE Asbestos Mattress Insulation
for Tanks, Boilers, Economisers, Cylinder Tops, etc.



Shows "Feather-weight" Mats as delivered for Locomotive Boilers.

The handiest form of non-conducting covering. Easily applied, since it is delivered like a tailored suit—allows of easy access to all parts covered without destruction of covering. Highest degree of efficiency and everlasting in roughest service.

— A S B E S T O S —

other countries is not sufficient, nor is the quality of sufficient excellence, to warrant any serious fears for the future of the market for Canadian asbestos.

A LETTER TO THE EDITOR

At a meeting held at Philadelphia a few days ago, it was decided to disband the association known as "ASBESTOS INDUSTRIES," for the reason that the mines chiefly could not see their way towards a substantial subscription for an advertising campaign, and also some of the manufacturers did not have the foresight to see the benefits which might result. However wise or unwise the step of disbanding was, is a question for each man to decide who is interested in the Asbestos industry, one of the few industries still in its infancy.

We were firm believers in an advertising campaign and still are, and in a small way, we try to do what the industry should have done collectively, and intend to continue. From nothing, we have built up a large institution with a name known all over the world and we are selfish enough to say that we have introduced Canadian Asbestos into the four quarters of the globe.

The disbanding of the organization need not necessarily mean a disbanding forever. We believe that if the editor of this little publication will from time to time in his editorials, draw the attention of the interested parties to the fact that a few of us still hope for a realization of a collective advertising campaign, the time will not be far distant when everyone will be of the same conclusion, apropos to advertising.

We quote the following by a well-known merchant in the city of New York and a near neighbor of ours:

THROW AWAY YOUR HAMMER AND GET OUT YOUR HORN
Business is good with Babe Ruth and business is good with me. Last year when "Babe" set up a New Record, some of the wise ones said he couldn't beat it this year—but he did—and so have I!

About a month ago in Chicago the Pageant of Progress originated a slogan which I think ought to be adopted by the World's Chamber of Commerce, and sent around the circuit. If Babe Ruth wasn't busy with the Yanks I know he'd get behind it and lift it over an infield of Gloom. It made a hit. Here it is:—

**"THROW AWAY YOUR HAMMER
AND GET OUT YOUR HORN"**

A S B E S T O S

Well, just to start the ball rolling, you can tell the world that from January 1st to July 1st this year, I did more business than the first six months of last year—and last year was the best year I ever had—and during the month of July, 1921, I sold more hats than in July and August put together last year.

I made a New Record for September, 1921. During the first fifteen days of September this year I sold 25,000 more felt hats than I did for the first fifteen days of September last year, and last September was the biggest month I ever had.

Now, I'm not conceited enough to think that I'm the only man in the U. S. A. doing business this Fall—but why keep success a secret when the pessimists are spreading gloom all over the business world?

I don't claim to be in Napoleon's class. I don't "Make Circumstances." I make Hats. But I can make a Hat—and make a Price that will make it sell under all circumstances—and so can any other merchant who is willing to give more and keep less. I don't know whether the Stock Market is going up or down—and I don't care. I don't know much about the conditions in Russia. I'm not losing any sleep about Japan—and I'm not worrying about Germany.

All I know about these things is what I read in the papers, and if I didn't read the papers, I wouldn't know anything about this so-called "Present Business Depression."

What I do know is that anyone who has something the Public wants and who gives the Public a Square Deal and a good run for the money, can do business in the U. S. A. in the Fall of 1921. That's why **BUSINESS IS GOOD WITH BABE RUTH AND BUSINESS IS GOOD WITH ME.**

We personally have nothing to complain about. We acknowledge business has been bad and we live in hopes, and we again repeat that the depression that the industry is now going thru, can be gotten over much sooner if we all get together, throw away our hammers, and instead of knocking, boost. One of the best ways of "boosting" in our opinion is to advertise, not individually, but collectively. We believe a well known financier once said that if you do not advertise, the sheriff will advertise you. This may be far fetched, but we are still of the opinion that there has been so little advertising done in the Asbestos Industry and so little effort made to educate the buying public as to what Asbestos really is, and to find new uses, that an investment, no matter how large, will bring returns, ten-fold.

Let us all get together, give the matter careful thought and write the editor of our willingness to join hands. This article is especially directed towards the Miner of Asbestos in Canada.

A SUBSCRIBER.

(*The Editor will give the name of the writer of the foregoing.*)
Page Twenty-two

October, 1921

— A S B E S T O S —

THE ORIGINATORS *and*
LARGEST MANUFACTURERS *of*

85% Magnesia
Sectional Coverings

Asbestos
Textiles, Paper
Millboards, etc.



**"IF IT'S MADE OF ASBESTOS
WE'VE GOT IT"**



Keasbey & Mattison Company
AMBLER, PENNA.

A S B E S T O S

The Conference of Asbestos Packing Manufacturers

The conference of Packing Manufacturers called by the Bureau of Engineering, U. S. Navy Department, was held in the Board Room, Navy Department Building, Washington, on Tuesday, September 13th.

Follows a list of those in attendance, with the names of their companies set opposite:

- R. A. Spruance, Commander, U. S. N., Bureau of Engineering, Navy Department.
C. H. Morrison, Lieut. Commander, U. S. N., Engineering Experiment Station, Annapolis.
R. E. Dennett, Lieut. Commander, U. S. N., Bureau of Engineering, Navy Department.
Winthrop Cole, Engineering Experiment Station, Annapolis.
J. G. O'Neill, Engineering Experiment Station, Annapolis.
P. L. Wormerley, Bureau of Standards, Department of Commerce.
The Anchor Packing Co.—(W. L. White, D. J. P. Murray)
Asbestos Fibre Spinning Co.—(G. Sehafenaeker)
Asbestos Materials Corporation—(Max Greenblatt)
American Huhn Packing Co.—(J. F. Boreland)
Belmont Packing & Rubber Co.—(Clement Restein, H. V. Everham)
Crandall Packing Co.—(F. W. Coates)
Dominion Asbestos & Rubber Corporation—(Wm. M. Meek)
Durabla Manufacturing Co.—(N. P. Hill)
Goodyear Tire & Rubber Co.—(C. A. Ammann, J. E. Bail, E. S. Kimmick)
B. F. Goodrich Co.—(L. H. Conger, W. W. Evans)
Garlock Packing Co.—(W. G. Cook, J. H. L. Gallagher)
General Asbestos & Rubber Co.—(C. B. Jenkins, Jr., Wm. W. Lewis)
Johns-Manville, Inc.—(G. K. Bradfield, John H. Olden, F. L. Pilliod)
Keasbey & Mattison Co.—(R. V. Mattison, Jr., M. T. Rhodes, O. A. Danzenbaker)
Metric Packing Co.—(O. W. Trumbull)
New Jersey Asbestos Co.—(J. I. Taylor)

HIGH GRADE ASBESTOS TEXTILES

Carded Fibres

Yarns, Cord, Mantle Yarns

Plain and Metallic Cloths

Braided and Woven Tapes

Braided Tubings

Woven Sheet Packings

Woven Brake Linings

Gloves, Mittens, Leggins

Gaskets, Seamless and Jointed

Packings, Steam and High Pressure

Wick and Rope

Asbestos Fibre Spinning Company

North Wales, Penna.

— A S B E S T O S —

Raybestos Co.—(L. I. Ryan)

United States Rubber Co.—(H. N. Winner, W. A. Page,
R. C. Fisher)

C. J. Stover—Editor "ASBESTOS."

Reported failures of Compressed Sheet Packing in Navy service made it appear necessary to modify the specification so that a more uniformly satisfactory product would be obtainable.

Commander Dennett clearly outlined the Navy requirements as to service conditions, and particularly as to the need for a Packing to stand from six months to twelve months storage without material deterioration.

The discussion was frank and very general, the result being that the Navy will in all probability, require Compressed Sheet to be made to approximately the following formula:

Asbestos Content—70% by weight of the finished packing.

Asbestos Quality—To be of the Chrysotile variety containing not less than 12% water of crystallization and to test approximately equivalent to standard Thetford X, which tests on the standard box at 0-8-6-2.

Rubber Content—To be 12 per cent minimum, 16 per cent maximum, fine Para Rubber or equal.

Sulphur Content—Maximum of 1% free sulphur.

Fillers—To be inert, inorganic.

Condition of Asbestos—To be opened, or carded, or both as may be determined by additional test to be conducted at the Naval Experiment Station.

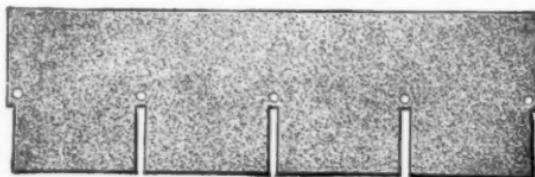
A brief discussion was had concerning High Pressure Packings, some manufacturers insisting that the present standard, which calls for 90% Asbestos in the Cloth before treatment is excessively high and suggesting that this standard be lowered to 85% Asbestos in the Cloth.

We gathered that the Navy will not arbitrarily change the present specification, but will make tests of Packings containing 85 per cent, 90 per cent and 95 per cent Asbestos in the Cloth and if it appears that a Packing suitable for Navy requirements can be made from a Cloth containing less than 90%, the specification will be changed accordingly in due season.

— A S B E S T O S —

National AanA Slate Surfaced Roofing (Asbestos and Asphalt)

1. Guaranteed for 20 years (cheapest per square per year Roof)
2. Fire Resisting. Class B Underwriters rating (other Asphalt Roofings rated Class C)
3. Non Curling.



Strip and Individual Shingles for houses

In rolls for factories, barns,
warehouses and R. R. Buildings.

Double the profit and ability to attract majority of roofing business is the decided advantage distributors of AanA Roofing command over sellers of the old type or Rag Felt base Asphalt Roofings.

Manufactured only by

NATIONAL ASBESTOS MFG. CO.

163-193 Henderson St.,

JERSEY CITY, N. J.

Also manufacturers of best quality Asbestos Paper, flat and Corrugated Air Cell Pipe and Boiler Coverings.

A S B E S T O S

A very interesting development of this conference was a demonstration of fibre separation by the use of a Rotap Screen box. This contrivance is made by W. S. Tyler Company of Cleveland, Ohio, and Mr. Pilliod of Johns-Manville, Inc., presented a number of specimens which clearly indicated that the Rotap testing device has considerable merit and gives a much cleaner and more definite separation than any test box now in use.

It has been for many years recognized that the current methods employed in testing Asbestos Fibres are susceptible to great improvement. If a more accurate and dependable method for testing, selling and buying of Asbestos fibres results from this conference, it will have been well worth while.

Fire Prevention Day

OCTOBER 10TH has been named by President Harding as FIRE PREVENTION DAY.

The Proclamation was not published until September 28th, and the time given for preparation was, therefore, very short.

The ASBESTOS INDUSTRY could well have joined in this movement and, insofar as was possible, did so.

The 1922 Day might well be kept in mind and many excellent helps developed for use at that time.

STEAM And WATER PACKING For GENERAL ENGINEERING CONDITIONS

ASBESTOS Cab Cock Packing Braided Rope
Air Pump Packing Twisted Cord
Valve Stem Piston Rod Packing Compressed Sheet Jointing

FLAX Genuine Long Line Flax
Combination Flax Commercial Flax

Braiding & Packing Works of America, Inc.
617-649 Washington Ave. Brooklyn, N. Y.

— A S B E S T O S —

ASBESTOS TEXTILE CO.

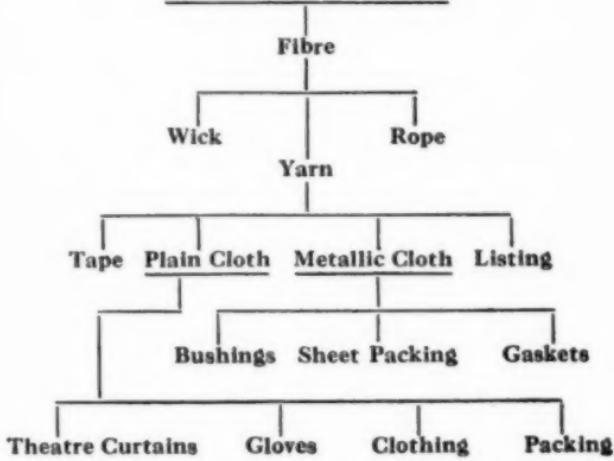
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WE MANUFACTURE

ASBESTOS



Compressed Asbestos Fibre Sheet Packing

“Quality and Service”

Contractors and Distributors Page

A year ago a common expression in the construction field was "prices too high, I'll wait." Today prices on building materials in general have receded 40%, and on insulation materials in particular 33-1-3% while the public still waits to buy.

The lowest prices at which pipe covering has ever sold in depressions, panics or whatsoever, is 85% off list. If present prices are checked against this record, low, and reasonable allowance made for present costs of labor, fuel, machinery, equipment and invested capital, it will be found that panic prices are now being quoted, allowing no profit for the manufacturer.

The popular comparison of price levels recently is the monotonous "pre-war level." If this criterion be the answer, proof is not lacking that pipe covering prices have receded to or beyond this level, production costs considered.

Conditions in the trade while not active, are satisfactory. Some new construction long held up is now coming thru. Repair work, while plants are not so busy, is being cared for. Those not yet sold on the necessity for insulation are gradually being educated. Money is becoming easier, thus benefiting all business enterprise.

While business is slack, no better time could present itself for checking up on insulation efficiency. First, are the pipes and boilers in your plant insulated? Secondly, are they adequately insulated? Third, are any repairs necessary?

Reporters for "ASBESTOS" have interviewed several large pipe covering contractors, and found almost a unanimous expression that the business will develop to capacity within a year. The best thing that could happen would be for prices to rise ten points on list. The public will always rush to buy on a rising market. Of the truth of this statement, the stock and security market bears testimony.

One salesman puts it "soft times have gone." There is business to be had but it takes a little extra effort to close it. Are you putting in that extra punch?

POSITION DESIRED—Man experienced in construction engineering, power house erection, organization, estimating, selling and application of insulating materials. Technical graduate. Sound health; not afraid of work. Has had charge of office and large territory for insulating concern. Address Br-1, "ASBESTOS."

— A S B E S T O S —



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Chrome Company
L I M I T E D**

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Mines: Black Lake, Que.

**Miners of
Crudes and Spinning Fibres
Specializing in Shingle Stocks**

Controlling
Union Asbestos Mines
Southwark Mines
Imperial Asbestos Mines
Black Lake Chrome Mines
Coleraine Chrome Mines



— A S B E S T O S —



AMERICAN COMPANY

Manufacture

Asbestos NORRISTOWN, PA

Being offered lower prices on Canadian Asbestos we are glad to pass these savings along to our valued customers. Your inquiries will secure very attractive prices on our finished goods.

— A S B E S T O S —



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LININGS AND TEXTILES GENERALLY**

— A S B E S T O S —

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Mining all grades
of Asbestos Fibre

Head Office, Jacobs Bldg
Montreal, Canada.

A S B E S T O S

EDITORIALS

Letters and clippings from Pacific Coast papers indicate that the Industrial Association of San Francisco has succeeded in placing building operations on a sound industrial basis.

As has been the case in almost every other large center of population, San Francisco has been passing thru serious labor difficulties, the Unions declining to accept reductions in pay and other modifications in operation, necessitated by the change from war to peacetime conditions.

Advices from the coast are to the effect that San Francisco is now on an open shop basis, workers returning to work as fast as employment in the building industries offers, without regard to membership or non-membership in labor organizations.

The same condition obtains in Boston, Philadelphia, to some extent in Baltimore and in some trades in Washington.

The refusal of organized labor in Chicago to accept the Judge Landis award will undoubtedly result, if persisted in by the Union, in establishing open shop conditions in Chicago.

We believe that if organized labor were properly handled, the closed shop method of operating offers many advantages, but after witnessing the behaviour of labor leaders during the last four years, it is very hard to believe that much dependence can be placed in organized labor working under closed shop arrangements.

Unless organized labor can quickly be brought to see the unwise of its refusal to accept logical reductions in wage, we believe the building industry and many others will definitely adopt the open shop principle.



Do Foreign Buyers Want Credit?

Business men, desirous of exporting raw and finished goods to Germany, are beset with many difficulties.

Europe, especially Germany, needs credit and American and Canadian houses have arranged to extend credit. When goods are offered to the German buyer, on long credit terms, will he buy? Let us see.

A S B E S T O S

Suppose we offer No. 1 Crude Asbestos today to a German buyer at \$1500. Canadian currency, with twelve months terms. The mark is worth, for instance, 1 cent. If the sale is consummated the German must either buy Canadian dollars *today*, against his settlement day one year hence, or, gamble that a year hence the rate of exchange will have remained stationary or have improved in his favor.

With the hazards naturally inherent in the purchase and sale of Asbestos it is hardly to be expected that exchange risk will be taken if it can be avoided.

Since dollars fluctuate much more seriously than do English pounds sterling, it is easy to understand the increasing use of African and Rhodesian Asbestos in Europe these grades being produced exclusively by English concerns.

What Can Be Done to Improve the Brake Lining Market?

Nine Million automobiles running under license.

Four Million (approximately) are Fords, leaving

Five Million of all other makes using asbestos brake lining.

One large maker of lining guarantees his product for one year.

Assuming that as a basis, and, further, that these five million cars will require an average of eight feet of lining per year, we have an apparent need of forty million feet.

Competent authority estimates 1921 production of all other than Ford cars at 350,000. At eight feet per car, here is a market for 2,600,000 feet.

It now looks as if 1921 will consume forty-two to forty-five million feet of brake lining.

A survey of the plant units engaged in making yarn, cloth and tape for brake lining, indicates a capacity at least one hundred per cent in excess of apparent demand.

Until new car building is resumed at a more nearly normal rate, the productive capacity of present plants will not be required.

It is clearly apparent, however, that the brake lining maker has not fully realized on his latent opportunities in the used car field.

We see, nearly every day, gruesome accounts of death,

A S B E S T O S

accident and damage resulting from inefficient brakes on automobiles.

What has the brake lining industry done to secure a regular, scientific inspection, adjustment and relining of brake bands? Why not a "brake week" each year?

Instead of spending hundreds of thousands of dollars annually for generalizing advertisements of this, that or the other brand of lining, why not concentrate all these powerful agencies, advertising, sales and inspection upon the car owner, forcing him to stop, look and listen to the irresistible demand that he give attention to his brakes during "brake week."

Then, quality. A manufacturer of axles, or cars, who buys, or a man who makes and sells brake linings which *burn up* in the first real test on a long hard hill, really deserves a jail sentence. No brake band lining made of *Asbestos* will burn up in service, but when price is the controlling factor, *Asbestos* is pushed aside in favor of cheap adulterants and the newspapers tell daily of the results.

The industry, if necessary, should blacklist any manufacturer who is found and proven guilty of such gross injustice to society. Steps looking toward the passing of adequate laws by the several State legislatures, requiring regular and well qualified inspection of brakes, and requiring registration of samples and bonded adherence to quality from manufacturers, might be next in order.



About one year ago an overall organization of the asbestos industries was formed for the purpose of advertising asbestos and its products. Apparently it got off to a good start but, most unfortunately, one after another of the large factors declined the responsibilities of membership and nothing has eventuated.

On every hand are evidences of industrial co-operation to find new uses and applications for products and extensions of present uses.

In the case of asbestos the mine owners are entirely responsible for delays because of their insistence that the manufacturers should assume the larger share of the cost, simply because sales of the manufacturers in dollars are much greater than miners' sales.

Mine owners seem unable to understand that if mine

— A S B E S T O S —

An Efficient
Pipe Covering
must not contain
Combustible
Material



The combustible or inflammable element in some pipe coverings runs as high as 20 to 22 per cent. Under low temperatures such coverings may possibly remain a long time unimpaired, but high temperatures will soon char the inner zone or layers. Bulk having been reduced, the covering will sag, air currents will run along the under side of the pipe and a continual loss of heat will take place.

85% Magnesia possesses, in addition to other essential qualities, the virtue of heat-resistance without impairment. There is nothing combustible in 85% Magnesia. Even tests with temperatures from 700 to 900 deg. F., continued for months, show only a calcination, which actually increased the efficiency of the covering about three per cent.

85% Magnesia taken from pipes after twenty years' use may be placed on other heated surfaces and will keep on doing its good work.

MAGNESIA ASSOCIATION of AMERICA
721 Bulletin Bldg., Philadelphia, Penna.

EXECUTIVE COMMITTEE, Wm. A. Macan, Chairman

George D. Crabb The Philip Carey Co. - Cincinnati, Ohio
Alvin M. Ehret Ehret Magnesia Mfg. Co. - Valley Forge, Pa.
J. R. Swift - The Franklin Mfg. Co. - Franklin, Pa.
R.V. Mattison, Jr. Keasbey & Mattison Co. - Ambler, Pa.

A S B E S T O S

sales are \$10,000,000 and manufacturers' sales are \$100,000,000, the difference is largely made up of cost of materials other than asbestos (with which materials asbestos is combined), cost of labor, cost of power, manufacture, overhead and the like. By no manner of means is this large difference in sales a profit, so why gauge activities on such a basis.

The copper mining industry is in all respects comparable to asbestos mining and it is significant that the large copper interests have only recently, after a terrific slump in business, organized a Research and Exploitation Bureau.

In the case of asbestos the mine owners will, sooner or later, realize that a tax of \$1.00 per ton paid into a pool from which expenses of a well organized, logically executed campaign of education could be paid, would be the best investment they could make.

One mine owner has stated that such a tax could be added to the price of the material at the mines and nobody would ever feel it.

The task is essentially one for the mine owners to finance, and, so long as the mine owners have almost unlimited power to control prices of raw material, it is idle to think the manufacturers will shoulder the burden.

As the matter now stands it is strictly up to the mine owners to undertake the job.

No business ever "gets better," in normal times, unless the people in it are aggressively making it better.

What are the mine owners doing?



Mine Operators Adopt New Grade Standards.

The Asbestos Mine Operators Association of the Province of Quebec at a meeting held during September, adopted the following standards for grading mill fibres:

STANDARD THETFORD TEST BOX

No. 1 Mill Fibre (2B)	Test	4-7-4-1
No. 2 Mill Fibre (X)	"	0-8-6-2 (1/2 oz on 1st screen)
No. 1 Shingle Stock	"	0-2-10-4
No. 2 Shingle Stock	"	0-1 1/2-9 1/2-5
No. 1 Paper Stock	"	0-0-9-7 (1/2 oz. on 2nd screen)
No. 2 Paper Stock	"	0-0-10-6

— A S B E S T O S —

NATIONAL MAGNEZIA MANUFACTURING COMPANY

Manufacturers of
“85% Magnesia” Pipe
and
Boiler Coverings
Locomotive Lagging

544 Market Street
San Francisco. California
U. S. A.

Cable Address, “Magnesia, San Francisco”

A S B E S T O S

Mining Notes

California

Advices reach us from reliable sources in California to the effect that very large and probably valuable deposits of Asbestos, apparently of the same physical and chemical character as Canadian, lie waiting for courageous development.

It is explained that the California deposits are all in side hill country, which means handling by gravity, and the elimination of hoist equipment.

It is further explained that there is very little overburden or useless dirt to be removed, and the deposits lie below the snow belt where climatic conditions are always favorable for all year mining. Samples of materials from the California field, which have been opened and fiberized in a very crude way look very attractive and it is claimed that for all practical commercial purposes these fibres are equivalent to anything thus far produced in the world.

One correspondent claims that if the native Canadian deposits were set down upon the serpentine belt in California, the Canadian spot would be hard to find.

Samples of the crude material with adhering native rock compare favorably with material from almost any other district.

Utah

It is reported that a deposit of chrysotile fibre has been discovered in Southern Utah, near the Arizona line. Samples have not yet been received, but the owners appear confident that they have found a good grade of spinning material.

Arizona

The Regal property, comprising approximately 650 acres of Asbestos bearing ground opposite the Salt banks on Salt River, Gila County, Arizona, has been incorporated under style The Regal Asbestos Mines, Inc., capital \$100,000, chartered from the State of New York, and it is reported that operation is to be resumed at an early date.

Arizona mining men are bringing pressure to bear upon Senators and Representatives in support of an import duty on raw Asbestos. We are informed that Mr. Roger Kyle of Pierce & Kyle, is particularly active in seeking protection for this infant Arizona Industry.

While the time may come when it might be logical to discuss a tariff on raw Asbestos, under present conditions it would be very much a case of the tail wagging the dog.

"Self-interest rules the world" and no where is self-interest so plainly manifested as when the subject of tariff is brought up, anywhere, at any time.

A S B E S T O S

M A R K E T C O N D I T I O N S

Experiments with amphibole asbestos and cement in manufacturing asbestos wood or board, are reported highly satisfactory.

A piece one inch thick subjected to the simple test of having seven nails driven into it simultaneously under a pressure of 10 tons per square inch showed no fracture.

Heat and electric resistance tests are reported under way.

Asbestos Cloth of unique weave has been manufactured and is offered in the market for the filtration of acids, alkalies and other materials requiring special resistance on the part of the filtering medium. It is made with either monel-metal, lead, iron or nickel wire.

The enterprise shown by the producers of these Cloths is commendable, altho it is doubtful whether sufficient tonnage is demanded by the chemical trades to warrant the operation of a plant solely engaged in manufacturing filter cloths.

It is reported that Carbonate of Magnesia is being currently used in the manufacture of dynamite.

Some years ago Magnesia Carbonate was employed in the manufacture of powder, but cheaper substitutes were found and its use discontinued. We will be interested to have further definite information as to its use in the production of dynamite.

We understand that a considerable quantity of basic Carbonate of Magnesia is being used for the filtration of benzine and gasoline, after these volatile materials have become contaminated with dirt of various sorts. For instance, in the dry cleaning business considerable benzine and high test gasoline are employed, and after having been used several times the benzine or gasoline has in partial solution or suspension such quantities of foreign matter that it must be filtered or discarded. When filtered thru Carbonate of Magnesia all this foreign material is removed and the filtrate is again fit for use.

In garages and machine shops quantities of gasoline are used for washing greasy and oily pieces of mechanism,

— A S B E S T O S —

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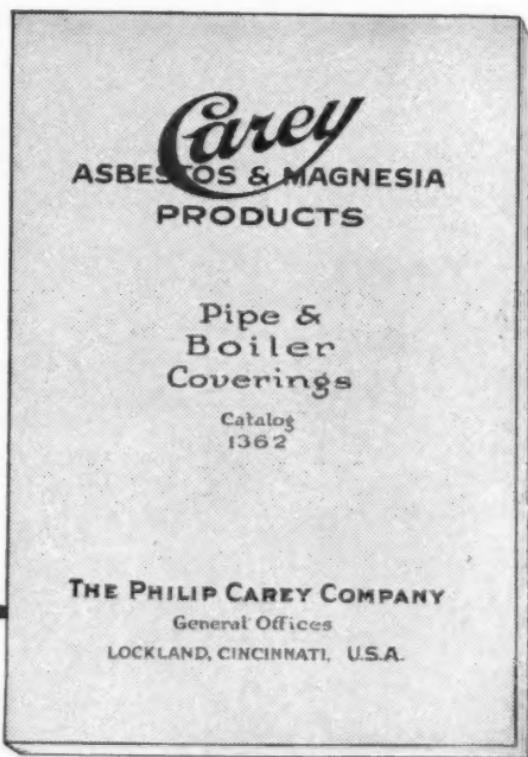
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— A S B E S T O S —



GET this valuable book—60 pages on important insulating materials for ALL purposes. Ten pages of data for engineers. Write for it.

A S B E S T O S

and this gasoline can be restored to its original condition by being filtered thru Carbonate of Magnesia.

Magnesia manufacturers and jobbers might do well to give publicity to this very important and economical use of the product. Investigation and experiment is being conducted by this office and we hope to be able to give you, in an early issue, details of this use of Magnesia Carbonate.

A letter from Mr. Sydney L. Plant, President of the Plant Rubber & Asbestos Works, San Francisco, reports having completed a trip thru Southern California, in which he found business conditions exceptionally good. It is reported that business activity is increasing very rapidly in San Francisco, and Mr. Wright, Vice President of the same company, who has just returned from Oregon and Washington, found business very much better in those States than it was a few months ago.

In these days of general gloom, it is inspiring to locate a district in which business is moving along satisfactorily.

Dr. Richard V. Mattison tells us that the Bell Mine has been closed down for the winter, and no better business conditions are expected by the Doctor before the late Spring of 1922.

Representative Carl Hayden of Arizona, in discussing the proposed tariff bill, makes a vigorous attack on that portion of the sundries schedule which provides for an import duty from 1-1/2c. per pound on Asbestos Paper and Millboard, ranging thru to \$1.68 per pound on the finished grades of yarn.

The gentleman points out that the American production of Asbestos in 1920 was 1710 tons, valued at \$1,154,000 whereas the imports of Asbestos from Canada were 49,605 tons valued at \$9,120,253. He goes on to point out that a revenue duty of 20% ad valorem on imports would have yielded approximately two million dollars during 1920.

Mr. Hayden claims that the reason there is no duty on raw Asbestos coming into the United States, is that the manufacturer asks that it be kept upon the free list. Quot-

Asbestos Corporation of Canada, Limited



*The Largest Producers of
Raw Asbestos in the World*



**CRUDES
SPINNING FIBRES
SHINGLE STOCKS
PAPER STOCKS**

Mines

Kings Mines, Thetford Mines, Quebec
Beaver Mines, " " "
B. C. Mines, Black Lake, "
Fraser Mines, E. Broughton, "

Head Office

260 St. James St., Montreal

General Office

THETFORD MINES
Quebec, Canada

A S B E S T O S

ing him "They want to buy their raw materials as cheap as possible, but every article they make is to be sold to the American people at a high price by reason of the protection afforded to them in this bill."

The discriminating reader will find a tremendous difference when comparing an American production of 1700 tons with an importation of nearly 150,000 tons, and anyone possessed of the facts knows full well that Arizona and all the other States rolled into one, cannot competitively produce any of the low grade Asbestos Fibres, which, after all, make up the bulk of the business.

Investigation by Mellon Institute indicates that powdered Carbonate of Magnesia is an excellent opaquing agent in glue. A relatively new use for a very old product.

The National Automobile Chamber of Commerce and the United States Department of Commerce are jointly striving, in every way, to aid the automobile industries.

Knowledge of all the facts is always necessary before any real progress can be made.

Who knows how much Asbestos goes into the automobile trades?

"ASBESTOS" will, in strictest confidence, receive and tabulate, monthly, yearly, or otherwise, information supplied by manufacturers on the following sales to the automobile industry:

Feet of brake lining.

Pounds of yarn.

Square feet of fire or fibre felt.

Number of clutch facings.

Pounds of sheet packing.

Number and kind of gaskets.

Totals would be published and supplied to the national bodies in position to best use the data.

None but basic manufacturers should report, but *they* owe it to themselves and to all concerned, to make such reports, regularly, consistently and conscientiously.

Report of mining activities in Canada for the first six months of 1921 indicate that the amount of rock mined was 1,101,201 short tons, of which 988,446 tons was put thru the mills.

A S B E S T O S

The mill output of fibres for the six months was 67,783 tons.

Out of each ton of rock mined and raised 123 pounds of Asbestos was recovered, as against a 1920 production of 109.1 pounds, and a 1919 production of 100.8 pounds.

Sales for the six months period to the United States, Canada and European markets were 42,680 tons, valued at \$2,708,338 the average value being \$63.45.

Of these sales 537 tons were Crude both No. 1 and 2 valued at \$412,737, or an average value of \$768.60.

Comparing these six months figures with the whole year of 1920, the six months represented 21.38% of the quantity sold in 1920 and 18.3% of the value, a material falling off.

Many and varied are the factors which are responsible for this situation, probably the most important being the general industrial depression which is afflicting not only the United States, the world's largest consumer of Asbestos, but also practically all of Europe.

Comments on Various Markets

Wire

The Standard Underground Cable Company of Philadelphia, tell us that "the copper market has stiffened up considerably during the last four weeks, producers evidently having decided they should get a little closer to the cost of production in marketing the metal on hand. Diminishing stocks and continuation of greatly curtailed production at mines have resulted in strengthening the statistical position. Copper for the last quarter of this year may be considered as 12- $\frac{5}{8}$ to 12- $\frac{3}{4}$ e. First quarter next year, 13e. Spelter has also advanced slightly in the last few weeks, the New York price for prime Western being now five cents.

Whether these advances can be held remains to be seen for the demand by manufacturing consumers, especially in the copper and alloy wire lines, continues comparatively light tho recent advances are likely to induce buying."

Coke

Better demand for coke has been noted recently. Fur-

— A S B E S T O S —

Canadian
Crude
and
Fibres
Asbestos

South African
and
Rhodesian
Blue
and
White
Asbestos

Russian
Asbestos
as soon as
Railway Traffic
will be
Opened

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Paul Hammerich

Inspector

of Asbestos, Crude and
Fibre. Reports on As-
bestos Mines and Mills.

THETFORD MINES - QUEBEC, CANADA

**AFRICAN CARDED
... FIBRE ...**

Heat Resisting Cements, Roofing Cements and Paints
Long Fibres

PENNSYLVANIA ASBESTOS CO.

John A. Hovey, President

NORTH WALES, PA.

— A S B E S T O S —

ASBESTOS FIBRE

FOR THE MANUFACTURE OF

Asbestos Millboard

Asbestos Paper

High Temperature Cements

Pipe Coverings

Asbestos Shingles and Lumber

Insulating Cements

Fibrous Paints

Filtration Packings

Roofing Cements



THE QUEBEC ASBESTOS CORPORATION

Office and Mines

East Broughton, Province of Quebec
Canada

A S B E S T O S

nace coke is being quoted for delivery over the rest of the year at \$3.50 a ton. This price is above spot quotation, due to the fact that producers expect higher prices this fall. Coke furnaces are said to be operating on a 30% basis.

A contract inquiry for 5,000 tons of furnace coke per month for the remainder of the year has attracted spirited bidding, but the price of furnace coke remains firm at \$3.25 to \$3.50.

Imports and Exports of Asbestos

Imports of Asbestos, Unmanufactured.

	July 1921	July 1920
From England	tons \$ 15	
Trinidad & Tobago	1 ton 80	
China	2 tons 450	
Br. South Africa	5 tons 815	375 tons \$78,833
Port. Africa		98 tons 67,890
Italy		25 tons 3,575
	<hr/>	<hr/>
	8 \$1360	498 \$150,298

Imports of Raw Asbestos from Canada during July 1921 amounted to 4005 tons, valued at \$120,845.

Imports of Manufactured Asbestos Goods for the month of July, comparing with last year were:

	July 1921	July 1920
From England	\$18,049	\$34,507
Scotland	359	
Br. South Africa	12	
Switzerland		14,408
Netherlands		500
Italy		4,293
Germany		912
	<hr/>	<hr/>
	\$18,420	\$54,620

Exports of Manufactured Asbestos Goods during July compare, for the two years, as follows:

1921	\$ 83,379
1920	\$218,750

Some of the figures for individual countries are interesting, for instance, exports of Manufactured Asbestos,

	July 1921	July 1920
To Germany	\$ 8,020	\$2,200
France	11,267	5,742
England	4,788	8,567

All these figures are interesting but too voluminous to give in our limited space. Anyone can have them, however, upon request.

A S B E S T O S

The Arizona Copper Producers, according to current news, have organized under the name Copper & Brass Research Organization, headed by R. L. Agassiz, President of the Calumet and Hecla Mining Company.

The purpose of the organization is to discover new uses for copper so that the surplus now on the market may be cleaned up and demand created for the ore still in the ground. We can recall more than two years ago having suggested this very organization to several men in New York, and it is quite interesting to learn that the movement is underway, and has already suggested the use of copper in the manufacture of automobile license plates and for the making of signs to mark automobile highways.

At the second annual convention of the American Trade Association Executives, which will be held in Chicago at the Hotel Drake, from October 26th to 28th, a considerable portion of the program will be devoted to a consideration of co-operative competition. Several very well known authorities on this tremendous subject will speak, and it is expected that at least a semi-official expression will be made by a representative of the present administration as to the attitude of Government toward associations following the plan of co-operative competition.

According to Dodge reports, the total amount of contracts for new construction awarded in August was 4% greater than in July, and 9% greater than in August 1920.

\$6,500,000,000 will be required to administer the functions of our National government next year according to budget as estimated. This is equivalent to an assessment of \$60. per capita.

Literature explaining the functions of the Communist Party of America which directs mass strikes and spreads propaganda in the interests of organized labor is being distributed thru the mails. The gist of this party's platform is the rankest form of Russian Bolshevism by which thru a proposed revolutionary proletariat, the leaders hope politically and by every other available means to overthrow the industrial institutions of America thru drastic attacks on capital. A most comprehensive program enlisting the aid of every phase of labor from the farm hand to the skilled technical laborer in the large plant is being marshalled against organized government and our sacred institutions.

The government should destroy and forever extinguish the spirit of these red revolutionists by policies such as formulated, recommended and practiced by "Abe Hansen."

— A S B E S T O S —

ASBESTOS



Bennett-Martin
Asbestos and
Chrome Mines
LIMITED



Head Office

**Thetford Mines, P. Q.
Canada**

General Sales Office

220 Broadway, New York

Mines Located at

Thetford Mines and Vimy Ridge

— A S B E S T O S —

NEWS OF THE INDUSTRY

In this issue we introduce to our readers, thru advertisement appearing on page 28, the Braiding & Packing Works of America, Inc., of Brooklyn, N. Y. Knowing that our readers would be interested in learning something of the activities of this firm we wrote them, and are advised that the business was started in 1918, and is confined strictly to the manufacture of steam and water packings, specializing in Asbestos, flax and cotton products. They have a modern, well equipped factory, superintended by a man with twenty-five years experience. They cater particularly to the jobbing trade, putting up any of their types of packings under jobber's private brand.

An interesting little pamphlet is issued by Edward J. Bergin, 141 W. 20th St., New York City, pointing out the advantages of Blue Asbestos Rope for pipe covering.

For many years European countries have employed Asbestos Rope for the covering of pipes, particularly where it is necessary to remove the pipe covering at intervals. This practice has never gained many adherents in the United States, but it is evident that an effort is about to be made to market not only the material, but the idea of using the material. It will be interesting to follow the progress of this movement.

For the last thirty days, the aerial tramway, erected by the American Steel and Wire Company for Asbestos Mines, Limited, at East Broughton, P. Q., has been running night and day.

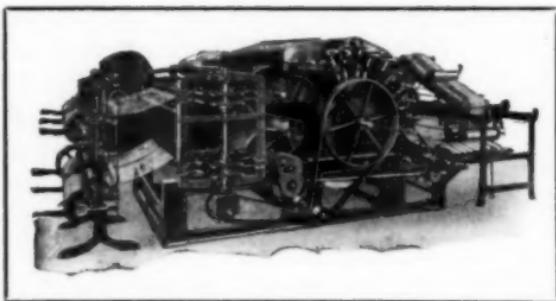
This aerial tramway, which is the only one in the entire asbestos area, is approximately one mile long. It is carrying 500 tons of rock per day at very low cost, proving most economical in operation.

Our readers can easily imagine what a big factor in economy of operation this tramway, which operates entirely automatically, is proving to be now that bad weather is beginning to be experienced at the mines.

Consolidated Classification Committee Docket No. 8, (received by us shortly after September "ASBESTOS" was in the mails) announces that hearings will be held on October 10th at 1830 Transportation Building, Chicago, on October 17th at Room 408, 143 Liberty St., New York City, and on October 26th at Room 215 Transportation Bldg., Atlanta, Ga., at which hearings will be considered the suggested increase in classification on Asbestos, felt or magnesia Blocks, Forms or Sheets, of boiler or pipe covering, from third to second class less carloads, and from fifth to fourth class carloads, all in the Southern Classification. Hearings at Chicago at 11.05 A. M.; at New York and Atlanta by appointment.

— A S B E S T O S —

When you require
Asbestos Machinery
you should think of
"SMITH & FURBUSH"



We have built practically all the
yarn-spinning equipment for Asbestos
in this country.

Circulars and further particulars on request.

**SMITH & FURBUSH
MACHINE CO.**

Philadelphia

Penna.

— A S B E S T O S —

Sal-Mo
ASBESTOS
PRODUCTS

PAPER
PLAIN and CORRUGATED
also
SPECIAL GRADES
MILL BOARD

PIPE COVERING
CEMENT

TUBES
PACKINGS GASKETS



*Inquiries receive prompt
and courteous attention.*

With the coming of cold weather we begin to wonder how much our coal is going to cost this year, and if there is any way we can cut down on the cost of heating.

Proper firing and regulating of the drafts will help, but there is a tremendous loss thru the pipes which can be cut down.

SAL-MO PIPE and BOILER COVERINGS will do it. The heat saved the first year will pay for the cost of installation.

You can save money for your customers and increase your sales by emphasizing these plain facts.

**Sall Mountain
COMPANY**

Marquette Bldg., 140 S. Dearborn St.
CHICAGO

NEW YORK CITY
141 W. 20th. St.

Scranton, Pa.

BOSTON, MASS.
268 State St.

A S B E S T O S

It is possible that U. S. Patent No. 1,385,341 would be interesting to Asbestos Paper Manufacturers. It covers a pulp vat having a combination of a rotary strainer cylinder for gathering the pulp, and a press roller bearing against said cylinder and provided with peripheral grooves, notches, deep slots or the like, for the purpose of rendering possible an increased pressing out of the pulp sheet gathered on the strainer cylinder.

Friends of Mr. Alvin M. Ehret, President of the Ehret Magnesia Manufacturing Company, Valley Forge, Pa., were grieved to learn of the death, on Wednesday, September 21st, of Mrs. Ehret, who for some years has been a semi-invalid.

Services were held in the Church of Our Lady, Star of the Sea, Requiem High Mass 10 A. M., Saturday, September 24th, presided over by the Rev. Father Petrie. Interment was held on Saturday afternoon in the Ehret Mausoleum, Laurel Hill Cemetery, Philadelphia.

The Valley Forge Magnesia Company, Port Kennedy, Pa., is now advertising 85% Magnesia, Valforco Brand. The plant originally was designed for the production only of Basic Carbonate of Magnesia, but additions of machinery have made it an all-round Magnesia plant.

According to India Rubber Journal an adjudication in bankruptcy has been made in the case of William John Edwin Wilson (described in the receiving order as Wilson & Co.) asbestos merchant, 79 Queen St., London, E. C.

In the September 3rd issue of Engineering & Mining Journal, will be found an interesting description of "The Black Lake Asbestos Area." The article is illustrated.

R. P. Doucet, General Sales Manager of the Asbestos Corporation of Canada, has returned from an extended business trip thru South Africa and Rhodesia, where he investigated conditions in those Asbestos producing countries.

Greenblatt Brothers, 583 Broadway, New York, have announced their intention to re-enter the Asbestos Textile and Packing business as manufacturers. They will be remembered as having formerly been connected with the Asbestos Textile Company of Reynoldsville and New York, whose plant has since been moved to North Brookfield, Mass.

In a pamphlet issued during 1914 by the Department of Mines of Tasmania, and in a later one issued in 1919, under the head "Asbestos in the Beaconsfield District," the deposits of Chrysotile, Picrolite and Amphibole Asbestos are described in detail.

The Durabestos Company is actively exploiting these deposits. Interested readers may consult these pamphlets in this office.

A S B E S T O S

An interesting controversy is going on thru the pages of Engineering and Mining Journal, chiefly concerned with the methods employed by the Asbestos producing Mines in Thetford, Black Lake, Robertson, Coleraine, Broughton, etc.

It seems that a visiting engineer from abroad ventured to criticize certain methods, and particularly the French Canadians employed in the Asbestos Mines. In the October 1st issue of Engineering and Mining Journal C. P. Lindsay of Thetford Mines comes to the rescue and in a very telling and convincing manner presents the point of view of a man who evidently is thoroly familiar with the district and the people who populate it.

The Asbestos and Mineral Corporation, New York, is offering for subscription any part of \$200,000 of the common stock of their corporation. The proceeds of this sale are to be used for the completion of a mill in Canada to be operated by the Asbestos Crude and Fibre Mining Corporation, which latter Corporation is controlled by the Asbestos and Mineral Corporation.

A list of the companies associated with the Asbestos and Mineral Corporation are:

Asbestos Crude and Fibre Mining Corporation, Limited
Canadian Crude Asbestos & Fibre Corporation, Limited
Asbestos Crude and Fibre Corporation
Asbestos & Mineral Corporation, Limited, London
Cie Internationale De L'Amiante, Paris, France
Asbestos & Mineral Corporation, Germany, Hamburg, Germany
Asbestos & Mineral Corporation, Italy, Genoa, Italy

The Hon. George R. Smith, Mines Manager of the Bell Asbestos Mines, is now reported out of danger, but the doctor prophesies a slow and tedious recovery.

The United States Asbestos Company of Chicago has increased its capital from \$25,000 to \$75,000.

The Asbestos & Rubber Works of America, Inc., New York City, has recently appointed W. R. McCulla district manager in charge of sales for the Detroit and Cleveland territory, with headquarters at 58 Garfield Building, Detroit. Mr. McCulla has been connected with the Hudson Motor Car Company, the Packard Motor Car Company, the Willys-Overland Company, and latterly with the Bijur Motor Appliance Company of Hoboken, N. J., as district manager.

According to the Los Angeles Times, N. Nelson, Manager of the Arizona Asbestos Company at Chrysotile, Ariz., has received telegraphic instructions from the New York Office of the corporation to close down all work pending improvement in the Asbestos market.

— A S B E S T O S —

Consolidated Asbestos Limited

MINES AT

THETFORD MINES, QUEBEC, CANADA
ROBERTSONVILLE, QUEBEC, CANADA

Miners of all Grades
OF
**ASBESTOS
CRUDE and
FIBRE** 

EXECUTIVE OFFICES

Dominion Express Building
145 St. James St.
Montreal, Canada

A S B E S T O S

H. F. Watson Company has erected a new warehouse and office building at 5331-9 So. Western Avenue, Chicago, consisting of two floors and a basement, with an area of 63,000 square feet of floor space. The warehouse is equipped with two very large elevators, one on each side of the building, with receiving tracks on one side and shipping tracks on the other. The office is nicely equipped, and has in connection with it a cafeteria for the benefit of employees. The Chicago Branch Office of the H. F. Watson Company, formerly located at 319 N. Wells Street, has moved to the new quarters, and Mr. W. E. Wilcox, Western Manager, will be glad to receive his friends and acquaintances at the new location.

In the New York Evening Mail we notice that the Manville Securities Corporation, representing Johns-Manville, Incorporated, has paid a purchase price of \$175,000 for the three-story building 32x48, at 26 E. 41st Street, which property it has just acquired from Katherine D. Thomas. The buying company whose offices are located in the adjoining building it owns at 296-298 Madison Avenue, southeast corner of Forty-first Street, also holds title to the property at 294 Madison Avenue. It now controls a plot fronting 96.7 feet on the street and 72 feet on the avenue.

The New England Asbestos Co., formerly located at 123 North Street, Boston, has moved to 193 State Street.

The Italian Chamber of Commerce in New York, located at 99 Hudson Street, is collecting posters, catalogues, folders, etc., to be shown at an Exhibition of Publicity to be held in connection with the Annual International Sample Fair at Milan, Italy.

Any of our readers who desire their printed matter shown at this Fair are invited to send such printed matter direct to the Italian Chamber of Commerce at address given, no charge being made for the exhibit. Altho this Fair will not be held until next Spring the Italian Chamber of Commerce urges that material be forwarded promptly.

The Collins-Lotz Company of Hartford, Conn., have again been compelled, on account of their growing business, to move to larger quarters. They are located in the same building (at 60 Prospect Street) as before, but occupy about four times as much space.

They have also recently opened a Boston Office at 141 Milk Street, in the Oliver Building, in charge of H. A. Kimball.

Some of the contracts they have under way at the present time are those of the Hartford Fire Insurance Company Building, Hartford, Conn., Steiger-Vedder department store, C. H. Dexter & Son's paper mill, Heublein Hotel, and the Municipal Hospital.

Two additional salesmen have been added to their force re-

— A S B E S T O S —

ELWOOD J. WILSON
76 CORTLANDT STREET
New York City

Asbestos Crude and Fibre

Thetford Crudes, Rhodesian Crudes

Prepared and Opened Crudes

Carded Fibres

Spinning Fibres, Shingle, Paper
and Cement Stock.

In Large or Small Quantities
for immediate shipment, ex warehouse N. Y.

CHRYSOTILE ASBESTOS ONLY

A S B E S T O S

cently. Evidently they have obeyed the injunction contained on the back cover of this issue.

The Fordney Tariff Bill, now before the Senate Finance Committee, provides a specific duty on powdered Carbonate of Magnesia of $2\frac{1}{2}$ c per pound and on Calcined Magnesia of 7c per pound.

It is a great pleasure this month to extend congratulations and hearty good wishes to W. A. Macan, Vice President of the Ehret Magnesia Manufacturing Company, Valley Forge, Pa., whose birthday occurs on October 20th, and also to W. R. Leventritt of the Asbestos & Mineral Corporation, New York City, whose birthday date is October 25th.

Space has been reserved by the Magnesia Association of America for exhibition of 85% Magnesia Products at the Annual Marine Exhibition to be held in the Central Mercantile Building, 45 W. 18th Street, New York, during the week beginning November 14th.

"ASBESTOS" was honored during the month of September by a call from Carlton E. Miller, President of the National Magnesia Manufacturing Company of San Francisco.

Benj. T. Conwell, Vice President and Treasurer of the American Insulation Company, Philadelphia, with several of his Philadelphia friends, recently enjoyed a two weeks hunting trip in Canada. The party were fortunate enough to get a bear, some moose and quite a bit of small game.

U. S. Patent No. 1,391,427, Serial No. 411,850, granted September 20th, 1921 to Nathan Sulzberger of New York City, covers a cigarette having a wrapper of Asbestos. The wrapper is made of Asbestos Paper containing organic matter, which organic matter is removed by a process and thus produces a porous paper. The Asbestos wrapper is supposed to retain its shape during smoking and the cigarette can be smoked without discoloration of the wrapper.

The Bureau of Mines, Washington, D. C., has recently completed a motion picture film showing the asbestos mines of the Johns-Manville Company, and the various factories and processes in the mining, refining and manufacture of asbestos into its numerous products, such as roofings, insulations, packings, textiles, paper, etc., etc. The picture is in four reels and runs a little less than an hour. It is available for presentation by clubs, engineering societies, etc. Application should be made to the advertising manager, Johns-Manville, Inc., Madison Ave. at 41st St., New York City.—*The Machinist*.

— A S B E S T O S —



United States Asbestos Company

General Office: Lancaster, Pa.

Mills at Manheim, Pa.

Manufacturers of asbestos yarns and fabrics, also packings and friction facings.

Sold exclusively to manufacturers of rubber goods, packings, and brake linings, and to distributors of asbestos materials on a quantity basis.



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New York

Boston

— A S B E S T O S —



IMPERIAL

All Asbestos Pipe Covering with Water-proof Jacket for Outside Lines. Especially adapted for Train Pipe insulation.

INDESTRUCTIBLE

H. F. WATSON CO.

*Main Office
and Factories*

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5331-9 So. WESTERN AVE.

CHICAGO

Established 1897

Ehret Magnesia Mfg. Co.

Valley Forge - Pennsylvania

**Manufacturers
of
EHRET'S**

**85% Magnesia Pipe & Boiler Coverings
85% Magnesia Plastic
Powdered Carbonate of Magnesia**

**Plant and Executive Offices
VALLEY FORGE, PA.**

**Branches—
NEW YORK — PHILADELPHIA — CHICAGO**

Representatives—in all principal cities



American Red Cross In the service of those who suffer"

Robinson Press.
Hatboro, Pa.

